

## WHAT IS CLAIMED IS:

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1. A scenario editing device for editing a scenario of multimedia contents which include a plurality of materials represented by data sets, said scenario editing device comprising:
  - a scenario memory for memorizing the scenario,
  - a scenario rule memory for memorizing a scenario basic rule which defines specifications of a complete state of the multimedia contents,
  - a receiving unit for receiving an additional data set which represents an additional material necessary to complete the multimedia contents, and
  - a scenario supplementing unit connected to said scenario memory, said scenario rule memory, and said receiving unit for supplementing the scenario according to the scenario basic rule so that the additional material is included in the multimedia contents to make the multimedia contents approach the complete state.
2. A scenario editing device as claim in Claim 1, wherein said scenario editing device further comprises a scenario converting unit connected to said scenario memory and said scenario rule memory for converting the scenario memorized in said scenario memory with referring to the scenario basic rule into an exhibiting electronic document which is used for exhibiting the multimedia contents.
3. A scenario editing device as claimed in Claim 2, wherein said scenario editing device further comprises a

connecting unit connected to the scenario converting unit for connecting the scenario converting unit to a computer network to exhibit the multimedia contents on said computer network.

4. A scenario editing device as claimed in Claim 3, wherein said receiving unit is connected to said computer network to receive the additional data set through said computer network.

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5. A scenario editing device as claimed in Claim 2, wherein said scenario editing device further comprises a scenario analyzing unit connected to said scenario memory, said scenario rule memory, and said scenario converting unit for analyzing the scenario memorized in the scenario memory with referring to the scenario basic rule memorized in the scenario rule memory to produce a lacking data list and to supply the lacking data list for said scenario converting unit, and said scenario converting unit including the lacking data list with the multimedia contents as one of the materials.

6. A scenario editing device as claimed in Claim 5, said scenario editing device further comprising a scenario completion degree information memory which is connected between said scenario analyzing unit and said scenario converting unit to memorize the lacking data list as completion degree information, wherein

said scenario analyzing unit renews the scenario completion degree information whenever said receiving unit receives the additional data set.

7. A scenario editing device as claimed in Claim 1, said scenario editing device further comprises a scenario editing

unit connected to said scenario memory for producing and editing  
the scenario.

the scenario.

8. A scenario editing device as claimed in Claim 1, said scenario editing device further comprises a scenario basic rule editing unit connected to said scenario rule memory for producing and editing the scenario basic rule.

9. A scenario editing device for editing a scenario of multimedia contents which are presented to a client through a computer network and which include a plurality of materials represented by data sets, said scenario editing device comprising:

a scenario memory for memorizing the scenario, presenting means connected to said scenario memory and said computer network for presenting the multimedia contents to the client by the use of the scenario memorized in scenario memory,

a receiving unit for receiving an additional data set which is supplied from the client and which represents an additional material, and

a scenario supplementing unit connected to said scenario memory and said receiving unit for supplementing the scenario memorized in said scenario memory so that the additional material represented by the additional data set is included in the multimedia contents

10. A scenario editing device as claimed in Claim 9,  
wherein said presenting means has a scenario converting unit  
and an connecting unit,

said scenario converting unit connected to said scenario

memory for converting the scenario memorized in said scenario memory into an exhibiting electronic document, and said connecting unit connected to said scenario converting unit for connecting said scenario converting unit to said computer network to present the multimedia contents to the client through said computer network.

A16 11. A scenario editing device as claimed in Claim 9, wherein said receiving unit is connected to said computer network to receive the additional data set from the client through said computer network.

12. A scenario editing device as claimed in Claim 9, said scenario editing device further comprising a scenario rule memory connected to said scenario supplementing unit for memorizing a scenario basic rule defining specifications of a complete state of the multimedia contents, wherein said scenario supplementing unit supplements the scenario according to the scenario basic rule.

13. A scenario editing device as claimed in Claim 12, wherein said scenario editing device further comprises a scenario analyzing unit connected to said scenario memory, said scenario rule memory, and said presenting means for analyzing the scenario with referring to the scenario basic rule memorized in the scenario rule memory to produce a lacking data list and to supply the lacking data list for said presenting means, and said presenting means presenting the lacking data list as one of the materials of the multimedia contents.

A16 14. A scenario editing device as claimed in Claim 13, said scenario editing device further comprising a scenario

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completion degree information memory which is connected between said scenario analyzing unit and said presenting means to memorize the lacking data list as completion degree information, wherein

said scenario analyzing unit renews the scenario completion degree information whenever said receiving unit receives the additional data set.

15. A scenario editing device as claimed in Claim 9, said scenario editing device further comprises a scenario editing unit connected to said scenario memory for producing and editing the scenario.

16. A scenario editing device as claimed in Claim 9, said scenario editing device further comprises a scenario basic rule editing unit connected to said scenario rule memory for producing and editing the scenario basic rule.

17. A recording medium in which a computer readable program is recorded, said computer readable program comprising the steps of:

memorizing, in a scenario memory, a scenario of multimedia contents which include a plurality of materials represented by data sets,

memorizing, in a scenario rule memory, a scenario basic rule which defines specifications of a complete state of the multimedia contents,

receiving, by a receiving unit, an additional data set which represents an additional material necessary to complete the multimedia contents, and

supplementing, at a scenario supplementing unit, the

scenario according to the scenario basic rule so that the additional material is included in the multimedia contents to make the multimedia contents approach the complete state.

18. A recording medium as claimed in Claim 17, wherein said program further comprises the step of converting, at a scenario converting unit, the scenario memorized in said scenario memory with referring to the scenario basic rule into an exhibiting electronic document which is used for exhibiting the multimedia contents.

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19. A recording medium as claimed in Claim 18, wherein said program further comprises the step of exhibiting the electronic document on a computer network.

20. A recording medium as claimed in Claim 19, wherein the receiving unit receives the additional data set through said computer network at the receiving step.

21. A recording medium as claimed in Claim 18, wherein said program further comprises the steps of:

analyzing the scenario memorized in the scenario memory with referring to the scenario basic rule memorized in the scenario rule memory to produce a lacking data list and to supply the lacking data list for said scenario converting unit, and

including the lacking data list with the multimedia contents as one of the materials at said scenario converting unit.

22. A recording medium as claimed in Claim 21, wherein said program further comprises the steps of:

memorizing the lacking data list as completion degree information in a scenario completion degree information memory,

and

renewing, at said scenario analyzing unit, the scenario completion degree information whenever said receiving unit receives the additional data set.

A16 23. A recording medium as claimed in Claim 17, wherein the program further comprises the step of producing the scenario at a scenario editing unit to memorize the scenario into the scenario memory.

24. A recording medium as claimed in Claim 17, wherein the program further comprises the step of producing the scenario basic rule at a scenario rule editing unit to memorize the scenario basic rule into the scenario rule memory.

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